



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------------|-------------|----------------------|---------------------|------------------|
| 10/569,568 | 02/27/2006 | Heikki Niskanen | FORSAL-109 | 7618 |
| 36528 7590 05/14/2008 | | | | |
| STIENNON & STIENNON | | | | |
| 612 W. MAIN ST., SUITE 201 | | | | |
| P.O. BOX 1667 | | | | |
| MADISON, WI 53701-1667 | | | | |
| EXAMINER | | | | |
| KIM, SANG K | | | | |
| ART UNIT | | PAPER NUMBER | | |
| 3654 | | | | |
| MAIL DATE | | DELIVERY MODE | | |
| 05/14/2008 | | PAPER | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary**Application No.**

10/569,568

Applicant(s)

NISKANEN, HEIKKI

Examiner

SANG KIM

Art Unit

3654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2008.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 16-28 is/are pending in the application.
4a) Of the above claim(s) 22-27 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 16-21 is/are rejected.
7) ☒ Claim(s) 28 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 27 February 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SI/08)
Paper No(s)/Mail Date 2/27/06
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

Election/Restrictions

Applicant's election without traverse of Group I, claims 16-21 and 28 in the reply filed on 4/15/08 is acknowledged.

Claims 22-27 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected inventions, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 4/15/08.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, "a two-drum type winder with core chucks engaging the winding core ends," as recited in claims 16 and 19 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering

Art Unit: 3654

of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 19-20 are rejected under 35 U.S.C. 102(a) & (e) as being anticipated by Koutonen et al., U.S. Patent No. 7011267 B2.

Koutonen '267 discloses a two-drum type winder (see background of the invention); a plurality of adjacent winding cores 10a-d defining axes, and having roll ends placed against each other, the ends formed by severing cuts (i.e. cutting lines of between the cores) which deviate from a plane perpendicular to the winding cores axes (i.e. measured from the top or bottom portion of the cutting lines), the plurality of winding cores being in receiving relation to a slit component of the web (i.e., each core

Art Unit: 3654

represents each web being wound), the plurality of winding cores defining outermost winding cores having free ends; a core chuck 20 engageable with each of the free ends of the outermost winding cores so as to keep the winding cores placed one after the other in place one against the other (see drawing); and wherein the winding core ends placed against each other are coupled to each other by the severing cuts, and wherein the severing cuts have a shape (i.e., each core ends has a shape) dimensioned such that there remains allowance for longitudinal yielding between the winding core ends (i.e., since the chucks can be pressed axially which would result with longitudinal yielding between the cores).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 16-18 and 21 rejected under 35 U.S.C. 103(a) as being unpatentable over Koutonen et al., U.S. Patent No. 7011267 B2, in view of Johansson et al., WO 03/004393 A1.

Koutonen '267 discloses a two-drum type winder (see background of the invention); a plurality of adjacent winding cores 10a-d defining axes, and having roll ends placed against each other, the ends formed by severing cuts (i.e. cutting lines of between the cores) which deviate from a plane perpendicular to the winding cores axes

(i.e. measured from the top or bottom portion of the cutting lines), the plurality of winding cores being in receiving relation to a slit component of the web (i.e., each core represents each web being wound), the plurality of winding cores defining outermost winding cores having free ends; a core chuck 20 engageable with each of the free ends of the outermost winding cores so as to keep the winding cores placed one after the other in place one against the other (see drawing); and wherein the winding core ends placed against each other are coupled to each other by the severing cuts, and wherein the severing cuts have a shape (i.e., each core ends has a shape) dimensioned such that there remains allowance for longitudinal yielding between the winding core ends (i.e., since the chucks can be pressed axially which would result with longitudinal yielding between the cores).

Johansson '393 discloses the concept of each core ends grooved such that mating ends with male and female ends, see figures 1-30.

Koutonen '267 discloses the claimed invention except for the core ends that has a depth with grooved male and female ends. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the core ends of Koutonen '267 with male and female grooved ends as taught by Johansson '393, to ensure that the core ends are tightly secured to each other.

Allowable Subject Matter

Claim 28 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SANG KIM whose telephone number is 571-272-6947. The examiner can normally be reached Monday through Thursday from 9:00 A.M. to 5:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Cuomo, can be reached on (571) 272-6856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SK

5/11/08

/SANG KIM/

Primary Examiner, Art Unit 3654